

PPL13 PROJECT FACT SHEET

March 21, 2003

Project Name and Number: Shoreline Stabilization for Freshwater Bayou Canal (4-2)

Coast 2050 Strategy:

Regional: #8, Restore hydrologic and salinity conditions throughout Region 4 to protect wetlands from hydrologic modification and maintain navigation where necessary.
Coastwide: Stabilization of the Width and Depth of Major Navigation Channels and Other Water Bodies at Their Point of Intersection
Mapping Unit: Big Marsh (5), Locust Island (25 & 26)

Project Location: Region 4, Mermentau Basin, Vermilion Parish, along the western shoreline of the Freshwater Bayou Canal from the Old GIWW south to Six-mile Canal, and from Humble Canal to the Gulf of Mexico.

Problem: Rapidly eroding shoreline caused primarily by the wave energy from large numbers of commercial marine vessels and barge traffic daily.

Goals: Reduce and/or stop shoreline erosion and protect adjacent fragile wetlands. This project will also preserve and enhance the existing hydrologic function of the adjacent marsh, improve conditions for shrub/scrub habitat for wading birds, and increase the overall wildlife habitat diversity and potentially create small amounts of emergent marsh.

Proposed Solution: Approximately 9.5 miles of bank-line stabilization.

Preliminary Project Benefits: Project will stop shoreline erosion (approximately 9 ft./yr.) and save 207 acres over the project life.

Compatibility with Coast 2050 Criteria:

Wetland Elevation/Sustainability: The project sustains <250 acres of emergent wetlands over the project life.

Ecosystem Influence Area: The project beneficially influences <1,000 acres.

Structural Framework: The project has no effect on structural framework.

Infrastructure: The project has a substantial net positive impact on critical infrastructure.

Organism and Material Linkages: The project is consistent with the sustainability of the ecosystem but allows moderately less than a natural level of organism and material exchange.

Coast 2050 Habitat Objectives: The project prevents 33-65% of the project area from further shifting away from the habitat objective.

Project Synergy: The project provides a high degree of synergy with constructed project ME-4, Freshwater Bayou Wetland Restoration.

Identification of Potential Issues:

Oysters: no

Land rights: no

Pipelines/utilities: yes

O&M: moderate

Preliminary Construction Costs:

Fully funded: \$15-\$20M

Est. construction cost w/ contingencies: \$7.8M

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